

COMMITTEE AMENDMENT FORM

DATE: 3/26/13

COMMITTEE CITY UTILITIES

PAGE NUM(S) 1

ORDINANCE I. D. #13-O-

SECTION (S)

RESOLUTION I. D. #13-R- 0603

PARA. 6TH WHEREAS

AMENDS THE LEGISLATION BY DELETING “AND THE CHIEF
PROCUREMENT OFFICER” AND CHANGE THE WORD “HAVE” TO
“HAS” IN THE 6TH WHEREAS

A RESOLUTION

13-R-0603

BY COUNCILMEMBER CARLA SMITH

AS AMENDED BY CITY UTILITIES COMMITTEE

A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A TASK ORDER TO BGR, A JOINT VENTURE, FOR FC-4906C, ARCHITECTURAL, ENGINEERING AND DESIGN SERVICES, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, FOR THE SOUTHEAST ATLANTA GREEN INFRASTRUCTURE INITIATIVE, PHASE 1 PEOPLESTOWN, MECHANICSVILLE AND SUMMERHILL IN AN AMOUNT NOT TO EXCEED NINE HUNDRED NINETY-SEVEN THOUSAND, SEVEN HUNDRED TWENTY-EIGHT DOLLARS AND ZERO CENTS (\$997,728.00); ALL WORK WILL BE CHARGED TO AND PAID FROM FUND DEPARTMENT ORGANIZATION AND ACCOUNT NUMBER 5066 (2009A WATER & WASTEWATER BONDS) 170215 (DWM WATER AND SEWER REPAIR) 5414002 (FACILITIES OTHER THAN BUILDINGS) 4333000 (NEW SEWER SERVICES) 11415 (CUSTER AVENUE CSO CAPACITY RELIEF) AND PROJECT TASK AWARD EXPENDITURE AND ORGANIZATION NUMBER 17111415 (CUSTER AVE CSO CAPACITY RELIEF) 102 (TASK) 506621876 (2009A WATER & WASTEWATER BONDS) 5414002 (CONSULTING /PROFESSIONAL SERVICES) COA; AND FOR OTHER PURPOSES.

WHEREAS, the City of Atlanta (“City”) entered into FC-4906C, Architectural, Engineering and Design Services (“Agreement”), on behalf of the Departments of Planning and Community Development, Public Works, Watershed Management, Parks, Recreation and Cultural Affairs, and the Office of Enterprise Asset Management, pursuant to 09-R-1634; and

WHEREAS, the term of the Agreement is for two (2) years with three (3) one (1) year renewal options to be exercised at the City’s sole discretion effective December 21, 2009 through December 20, 2011; and

WHEREAS, the City authorized Renewal No. 1 of the Agreement with a term of December 21, 2011 through December 20, 2012, pursuant to Resolution 11-R-1727; and

WHEREAS, the City authorized Renewal No. 2 of the Agreement with a term of December 21, 2012 through December 20, 2013, pursuant to Resolution 12-R-1644; and

WHEREAS, the Department of Watershed Management requires design-build services which include project management, model workshops, data collection, permitting, and specification design and construction services for permeable pavers to mitigate flooding in the Peoplestown, Mechanicsville and Summerhill communities of Southeast Atlanta; and

WHEREAS, the Commissioner of the Department of Watershed Management has recommended issuing a Task Order for Architectural, Engineering and Design Services, to BGR, a Joint Venture, in an amount not to exceed Nine Hundred Ninety-Seven Thousand, Seven Hundred Twenty-Eight Dollars and Zero Cents (\$997,728.00) to provide design-build services for permeable pavers to mitigate flooding in the Peoplestown, Mechanicsville and Summerhill communities of Southeast Atlanta.

THE CITY COUNCIL OF THE CITY OF ATLANTA, GEORGIA, HEREBY RESOLVES, that the Mayor, or his authorized designee, is authorized to issue a Task Order to BGR, a Joint Venture, for FC-4906C, Architectural, Engineering and Design Services in an amount not to exceed Nine Hundred Ninety-Seven Thousand, Seven Hundred Twenty-Eight Dollars and Zero Cents (\$997,728.00) for the Southeast Atlanta Green Infrastructure Initiative, Phase 1 Peoplestown, Mechanicsville and Summerhill; and

AND FINALLY BE IT RESOLVED, that all contracted work will be charged to and paid from Fund Department Organization and Account Number 5066 (2009A Water & Wastewater Bonds) 170215 (DWM Water and Sewer Repair) 5414002 (Facilities Other Than Buildings) 4333000 (New Sewer Services) 11415 (Custer Avenue CSO Capacity Relief) and Project Task Award Expenditure and Organization Number 17111415 (Custer Ave. CSO Capacity Relief) 102 (Task) 506621876 (2009A Water & Wastewater Bonds) 5414002 (Consulting/Professional Services) COA.

Carla Smith
**A RESOLUTION
BY COUNCILMEMBER CARLA SMITH**

A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A TASK ORDER TO BGR, A JOINT VENTURE, FOR FC-4906C, ARCHITECTURAL, ENGINEERING AND DESIGN SERVICES, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, FOR THE SOUTHEAST ATLANTA GREEN INFRASTRUCTURE INITIATIVE, PHASE 1 PEOPLESTOWN, MECHANICSVILLE AND SUMMERHILL IN AN AMOUNT NOT TO EXCEED NINE HUNDRED NINETY-SEVEN THOUSAND, SEVEN HUNDRED TWENTY-EIGHT DOLLARS AND ZERO CENTS (\$997,728.00); ALL WORK WILL BE CHARGED TO AND PAID FROM FUND DEPARTMENT ORGANIZATION AND ACCOUNT NUMBER 5066 (2009A WATER & WASTEWATER BONDS) 170215 (DWM WATER AND SEWER REPAIR) 5414002 (FACILITIES OTHER THAN BUILDINGS) 4333000 (NEW SEWER SERVICES) 11415 (CUSTER AVENUE CSO CAPACITY RELIEF) AND PROJECT TASK AWARD EXPENDITURE AND ORGANIZATION NUMBER 1711415 (CUSTER AVE CSO CAPACITY RELIEF) 102 (TASK) 506621876 (2009A WATER & WASTEWATER BONDS) 5414002 (CONSULTING /PROFESSIONAL SERVICES) COA; AND FOR OTHER PURPOSES.

WHEREAS, the City of Atlanta ("City") entered into FC-4906C, Architectural, Engineering and Design Services ("Agreement"), on behalf of the Departments of Planning and Community Development, Public Works, Watershed Management, Parks, Recreation and Cultural Affairs, and the Office of Enterprise Asset Management, pursuant to 09-R-1634; and

WHEREAS, the term of the Agreement is for two (2) years with three (3) one (1) year renewal options to be exercised at the City's sole discretion effective December 21, 2009 through December 20, 2011; and

WHEREAS, the City authorized Renewal No. 1 of the Agreement with a term of December 21, 2011 through December 20, 2012, pursuant to Resolution 11-R-1727; and

WHEREAS, the City authorized Renewal No. 2 of the Agreement with a term of December 21, 2012 through December 20, 2013, pursuant to Resolution 12-R-1644; and

WHEREAS, the Department of Watershed Management requires design-build services which include project management, model workshops, data collection, permitting, and specification design and construction services for permeable pavers to mitigate flooding in the Peoplestown, Mechanicsville and Summerhill communities of Southeast Atlanta; and

WHEREAS, the Commissioner of the Department of Watershed Management and the Chief Procurement Officer have recommended issuing a Task Order for Architectural, Engineering and Design services, to BGR, a Joint Venture, in an amount not to exceed

Nine Hundred Ninety-Seven Thousand, Seven Hundred Twenty-Eight Dollars and Zero Cents (\$997,728.00) to provide design-build services for permeable pavers to mitigate flooding in the Peoplestown, Mechanicsville and Summerhill communities of Southeast Atlanta.

THE CITY COUNCIL OF THE CITY OF ATLANTA, GEORGIA, HEREBY RESOLVES, that the Mayor, or his authorized designee, is authorized to issue a Task Order to BGR, a Joint Venture, for FC-4906C, Architectural, Engineering and Design Services in an amount not to exceed Nine Hundred Ninety-Seven Thousand, Seven Hundred Twenty-Eight Dollars and Zero Cents (\$997,728.00) for the Southeast Atlanta Green Infrastructure Initiative, Phase 1 Peoplestown, Mechanicsville and Summerhill; and

BE IT FINALLY RESOLVED, that all contracted work will be charged to and paid from Fund Department Organization and Account Number 5066 (2009A Water & Wastewater Bonds) 170215 (DWM Water and Sewer Repair) 5414002 (Facilities Other Than Buildings) 4333000 (New Sewer Services) 11415 (Custer Avenue CSO Capacity Relief) and Project Task Award Expenditure and Organization Number 17111415 (Custer Ave. CSO Capacity Relief) 102 (Task) 506621876 (2009A Water & Wastewater Bonds) 5414002 (Consulting/Professional Services) COA.



CITY OF ATLANTA
DEPT. OF PROCUREMENT

2013 FEB 22 PM 2:22

KASIM REED
MAYOR

CITY OF ATLANTA
55 TRINITY AVENUE, SW, SUITE 5400, SOUTH BLDG.
ATLANTA, GEORGIA 30303-0324
OFFICE (404) 330-6081
FAX (404) 658-7194

DEPARTMENT OF
WATERSHED MANAGEMENT
JO ANN J. MACRINA, PE
Commissioner

M E M O R A N D U M

TO: Adam L. Smith, Chief Procurement Officer
Department of Procurement

FROM: Jo Ann J. Macrina, PE, Commissioner *JJM*
Department of Watershed Management

DATE: February 19, 2013

RE: Legislative Request for FC-4906-C, Architectural, Engineering & Design Services
Task Order –for Southeast Atlanta Green Infrastructure Initiative, Phase I
(Peopletown, Mechanicsville and Summerhill)

Contractor: BGR, a Joint Venture

Please prepare the appropriate legislative summary for Cycle 8 (May 6, 2013). This Task Order provides design-build services of permeable pavers for the Southeast Atlanta areas. The Task Order will also include project management, model workshops, data collection, permitting, bidding and construction services.

These services shall be charged to and paid from: PATEO: 17111415 (Custer Ave. CSO Capacity Relief) 102 (Task)(DWM 2009A Bond) 506621876 (2009A Water & Wastewater Bonds) 5414002 (Consulting/Professional Services) COA; and Fund Department Organization and Account Number: 5066 (2009A Water & Wastewater Revenue BD FD) 170215 (DWM Wastewater Sewer Repair) 5414002 (Facilities Other Than Bldgs.) 4333000 (New Sewer Services) 111415(Custer Ave. CSO Capacity Relief) 21876 (2009A Water & Wastewater Bonds) in an amount not to exceed Nine Hundred Ninety Seven Thousand, Seven Hundred Twenty-Eight Hundred Dollars (\$997,728.00).

If you have any questions please contact Willie M. Canidate, Procurement Officer at (404) 330-6335 or Cynthia L. Lunn at (404) 330-6096.

Your assistance in this matter is appreciated.

/wc

Page 2

**Legislative Request for FC-4906-C, Architectural, Engineering &
Design Services Task Order – Southeast Atlanta Green Infrastructure Initiative, Phase I (Peoplestown,
Mechanicsville and Summerhill)**

February 18, 2013

C: Michael Giesler, Deputy Commissioner/CFO – DWM
Eric Glover, Deputy Commissioner – DWM BES
Delmarie Griffin, Contract Administrator, Sr. – DOP
Cynthia L. Lunn, Watershed Manager - DWM
Maisha Land-Wood, Legislative Manager – DWM
Anthony Stanley, Contracting Officer - DOP
Willie Canidate, Procurement Officer - DWM

[Requisition Information](#) [Approvers](#) [Review & Submit](#)

Checkout: Review and Submit Requisition

[Save](#) [Printable Page](#) [Back](#) Step 3 of 3 [Submit](#)

Requisition 21303864: Total 997,728.00 USD

Created By Canidate, Willie M
Creation Date 19-Feb-2013 14:52:26
Description FC-4906C, ARCHITECTURAL,
ENGINEERING & DESIGN
SERVICES TASK ORDER
FOR SE ATL GREEN
INFRASTRUCTURE
INITIATIVE, PH I

Justification

Requisition Attachments

File Name	Type	Description	Category	By	Last Updated	Last Updated	Usage	Update	Delete	Publish to Catalog
No results found.										

Lines

Details	Line	Description	Cost Center	Unit	Quantity	Price	Amount (USD)	Attachments
Show	1	FC-4906C, ARCHITECTURAL, ENGINEERING & DESIGN SERVICES TASK ORDER FOR SE ATL GREEN INFRASTRUCTURE INITIATIVE, PH I	170215	LOT	997728	1 USD	997,728.00	
Total							997,728.00	

[Save](#) [Printable Page](#) [Back](#) Step 3 of 3 [Submit](#)[Shop](#) | [Requisitions](#) | [Contractors](#) | [Shopping Cart](#) | [Home](#) | [Logout](#) | [Preferences](#) | [Help](#)

Copyright (c) 2006, Oracle. All rights reserved.

[Privacy Statement](#)



Kasim Reed
MAYOR

CITY OF ATLANTA

55 TRINITY AVENUE SW, SUITE 5400, SOUTH BLDG.
ATLANTA, GEORGIA 30303-3544
OFFICE 404-330-8081
FAX 404-658-7194

DEPARTMENT OF
WATERSHED
MANAGEMENT
Jo Ann J. Macrina, P.E.
Commissioner

MEMORANDUM

To: Michael Geisler, Deputy Commissioner,
Bureau of Finance, Department of Watershed Management

From: Eric Glover, P.E., Deputy Commissioner, *EG*
Bureau of Engineering Services, Department of Watershed Management

Date: February 5, 2013

Subject: FC-4906C BGR, JV A&E Services Task Order 018-
Southeast Atlanta Green Infrastructure Initiative, Phase 1

The purpose of this legislation is to request the Mayor to issue a Notice to Proceed for FC-4906C Architectural Engineering and Design Services with BGR, a Joint Venture, Task Order #018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1 Peoplestown, Mechanicsville and Summerhill. Services as outlined in Task Order #018 include: design-build of permeable pavers for the Southeast Atlanta areas described above, project management, model workshops, data collection, permitting, bidding and construction services.

This work will be executed by BGR JV, a Joint Venture, in an amount not to exceed \$997,728.00. The following accounts will fund this project:

FDOA: 5066 170215 5414002 4333000 111415 21876

PTAEO: 17111415 102 506621876 5414002

If you have any questions or need any additional information, please feel free to call COA Project Manager Nicole Wilson at 404-546-1243.

Thank you for your assistance with this matter.

Attachments

CC: Nicole Wilson, DWM
Paula Days, DWM
Maisha Land-Wood, DWM
Cynthia Lunn, DWM

Part II: Legislative White Paper: (This portion of the Legislative Request Form will be shared with City Council members and staff)

A. To be completed by Legislative Counsel:

Committee of Purview: City Utilities

Caption: A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A TASK ORDER TO BGR, A JOINT VENTURE, FOR FC-4906C, ANNUAL CONTRACT FOR ARCHITECTURAL, ENGINEERING AND CONSTRUCTION INSPECTION SERVICES, FOR SOUTHEAST ATLANTA GREEN INFRASTRUCTURE INITIATIVE, PHASE 1 PEOPLESTOWN, MECHANICSVILLE AND SUMMERHILL, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, IN AN AMOUNT NOT TO EXCEED NINE HUNDRED NINETY-SEVEN THOUSAND, TWO HUNDRED FORTY DOLLARS AND NO CENTS (\$997,728.00); ALL WORK WILL BE CHARGED TO AND PAID FROM FUND DEPARTMENT ORGANIZATION AND ACCOUNT NUMBER 5066 (2009A WATER & WASTEWATER BONDS) 170215 (DWM WATER AND SEWER REPAIR) 5414002 (FACILITIES OTHER THAN BUILDINGS) 4333000(NEW SEWER SERVICES) 11415(CUSTER AVENUE CSO CAPACITY RELIEF) AND PROJECT TASK AWARD EXPENDITURE AND ORGANIZATION NUMBER 17111415 (CUSTER AVE. CSO CAPACITY RELIEF) 102 (TASK) 506621876 (2009A WATER & WASTEWATER BONDS) 5414002 (CONSULTING/PROFESSIONAL SERVICES) COA; AND FOR OTHER PURPOSES.

Council Meeting Date: April 15, 2013

Requesting Dept.: Watershed Management

B. To be completed by the department:

1. Please provide a summary of the purpose of this legislation (Justification Statement).

The purpose of this legislation is to issue a Task Order for to BGR JV, a Joint Venture, in an amount not to exceed \$997,728.00. FC-4906C Architectural Engineering and Design Services with BGR, a Joint Venture, Southeast Atlanta Green Infrastructure Initiative, Phase 1 Peoplestown, Mechanicsville and Summerhill. Services include: design-build of permeable pavers for the Southeast Atlanta areas described above, project management, model workshops, data collection, permitting, and specification design and construction services. This work will be executed by

2. Please provide background information regarding this legislation.

Extensive flooding occurred in 2011 within and around the City of Atlanta's Southeast Atlanta neighborhoods. The City proposed an initiative to the citizens in the affected areas to provide capacity relief from the associated drainage basins. The Department of Watershed Management staff requires services to identify projects to work in concert to alleviate flooding caused by the stormwater runoff in those drainage basins. This Task Order will consist of installing permeable pavers in the Southeast Atlanta neighborhoods of Peoplestown, Mechanicsville, Grant Park and Summerhill.

3. If Applicable/Known:

- (a) **Contract Type:** Professional Services
- (b) **Source Selection:** Sealed RFP
- (c) **Bids/Proposals Due:** N/A
- (d) **Invitations Issued:** N/A
- (e) **Number of Bids:** N/A
- (f) **Proposals Received:** N/A
- (g) **Bidders/Proponents:** N/A
- (h) **Term of Contract:** Targeted estimated completion date is December 31, 2013.

4. Fund Account Center (Ex. Name and number):

Fund Department Organization and Account Number: 5066 (2009A Water & Wastewater Bonds) 170215 (DWM Water and Sewer Repair) 5414002 (Facilities Other Than Buildings) 4333000(New Sewer Services) 11415(Custer Avenue CSO Capacity Relief)

Project Task Award Expenditure and Organization Number: 17111415 (Custer Ave. CSO Capacity Relief) 102 (Task) 506621876 (2009A Water & Wastewater Bonds) 5414002 (Consulting/Professional Services) COA

5. Source of Funds:

Fund Department Organization and Account Number: 5066 (2009A Water & Wastewater Bonds) 170215 (DWM Water and Sewer Repair) 5414002 (Facilities Other Than Buildings) 4333000(New Sewer Services) 11415(Custer Avenue CSO Capacity Relief)

Project Task Award Expenditure and Organization Number: 17111415 (Custer Ave. CSO Capacity Relief) 102 (Task) 506621876 (2009A Water & Wastewater Bonds) 5414002 (Consulting/Professional Services) COA

6. Fiscal Impact: This legislation will result in a reduction in the amount of Nine Hundred Ninety-Seven Thousand Seven Hundred Twenty Eight Dollars and Zero Cents (\$997,728.00).

7. Method of Cost Recovery: N/A

Examples:

- a. *Revenues generated from the permits required under this legislation will be used to fund the personnel needed to carry out the permitting process.*
- b. *Money obtained from a local assistance grant will be used to cover the costs of this Summer Food Program.*

This Legislative Request Form Was Prepared By: Nicole Wilson



Task Order

Agreement Number: **FC-4906C Architectural Engineering and Design Services**
("Agreement")

Task Order Number: **018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
Peopletown Mechanicsville, and Summerhill**

Task Order Maximum Payment Amount: **\$997,728.00**

Legislative Reference: 11-R-0008 Approved by City Council January 18, 2011

The above referenced Task Order is made and entered into by and between the City of Atlanta
("CITY"), pursuant to the Agreement;

AND

BGR Joint Venture ("CONSULTANT").

This Task Order is made a part of the Agreement between the City and the Consultant, together
with all attached exhibits made a part of this Task Order.

The period of performance/delivery date for this Task Order begins on receipt of a Notice-to-
Proceed or **Purchase Order** and shall be completed in accordance with **Exhibit "A"**, unless a
written modification to this Task Order is made by the City.

Task Order Services to be provided: **See Exhibit "A"**

Additional Task Order Provisions: **N/A**

Key Task Order Personnel: BGR Director – **Alan Pramuk**, Services Coordinator – **Joe Porter**,
Project Director – **Chris Haney**, Task Order Project Manager – **Mark Hellerstedt**.

Eric L. Glover, P.E.
Deputy Commissioner
Bureau of Engineering
Department of Watershed Management
55 Trinity Ave
Atlanta, GA 30303
Phone: (404) 330-6507
E-Mail: eglover@atlantaga.gov

Chris Haney, PE
Project Director BGR-JV
2325 Lakeview Parkway, Suite 400
Alpharetta, GA 30009
Phone: (770) 754-0755
Fax: (877) 275-5854
E-Mail: cmhaney@gspnet.com

Estimated Labor Hours and Associated Fee for Task by Labor Category: **See Exhibit "B"**

Agreement Number: FC-4906C Architectural Engineering and Design Services
Task Order Number: 018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
Peopletown, Mechanicsville, and Summerhill
Task Order Consultant: BGR Joint Venture

Page 2

Task Order Terms for Expenses: **Per Agreement**

Estimated MBE/WBE Summary:

Cumulative (All Task Orders)

MBE/WBE Firms Utilized (Total Contract To-Date):

Total Estimated MBE/WBE Percentage: **31 %**

This Task Order

MBE/WBE Firms Utilized in this Task Order:

1. Rohadfox – Design and Construction Services Support (MBE/FBE)
2. C.E.R.M. – Surveying and SUE (MBE)
3. MC Squared – Geotechnical Services (FBE)

Estimated MBE Percentage: **42.7%** Amount: **\$426,502.00**

Estimated WBE Percentage: **38.7%** Amount: **\$386,502.00**

Total Estimated MBE/WBE Percentage: **46.8%** Amount: **\$466,502.00**

Task Order Billing and Payment Terms: **Per Agreement**

Task Order Items for Expenses: Reimbursable at Cost

Authorized Representatives and Signatures:

City of Atlanta Representative:

Eric L. Glover

Signature:



Date: 2/5/13

Consultant Representative:

Alan Pramuk, PE

Signature:



Date: Feb 5, 2013



Agreement Number: FC-4906C Architectural Engineering and Design Services
Task Order Number: 018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
Peopletown, Mechanicsville, and Summerhill
Task Order Consultant: BGR Joint Venture

Page 3

Exhibit A

Scope of Services

This Scope of Services is an attachment to a Purchase Order by and between the City of Atlanta ("CITY"), pursuant to the stated terms and conditions; and BGR Joint Venture ("CONSULTANT").

Purchase Order Name: **Southeast Atlanta Green Infrastructure Initiative, Phase 1 Peopletown Mechanicsville, and Summerhill**

Task Order Consultant: **BGR Joint Venture**

General

The City of Atlanta Department of Watershed Management (CITY) has commissioned BGR JV (CONSULTANT) to provide planning, design, permitting, bid support, services during construction, and other support services related to the Southeast Atlanta Green Infrastructure Initiative, Phase 1 (PROJECT). The PROJECT includes design of permeable pavers in roads and intersections in three geographic zones, with a fourth zone possible if construction budgets permit. The designs will be supported by a green infrastructure assessment that provides further analysis on best management practices (BMPs) for green infrastructure implementation.

CONSULTANT shall perform the scope of services provided in eleven tasks and supporting subtasks that as follows:

TASKS	
00	Project Management Services
10	Project Meetings and Workshops
20	Data Collection and Site Investigations
30	Green Infrastructure Assessment
40	Permeable Paver Design
50	Opinions of Probable Construction Costs
60	Permitting Services
70	Services During Bidding and Construction

Task 00 – Project Management Services

This task includes the work related to the management, administration and coordination of CONSULTANT's activities during the task order. This includes managing and coordinating project resources to a level of service and responsiveness consistent with the schedule and budget. Specific activities conducted by CONSULTANT will include:

Subtask 01 - Project Work Plan. Prepare a project work plan within seven days after the Notice to Proceed. The plan will identify project scope, individual work elements, budget for each element, responsible individuals for each work element, staffing plan and schedule. The plan will include the communication plan for the project to be used between CONSULTANT and the CITY and other stakeholders. The project work plan will be submitted to the CITY for its use.

Deliverables: *Project Work Plan.*



Agreement Number: FC-4906C Architectural Engineering and Design Services
Task Order Number: 018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
Peoplestown, Mechanicsville, and Summerhill
Task Order Consultant: BGR Joint Venture

Page 4

Subtask 02 - Project Conference Calls. CONSULTANT will coordinate project conference calls no less than once every two weeks. Participants in the conference calls will include CITY personnel and representatives from CONSULTANT, as appropriate. The purpose of the meeting is to coordinate project activities and keep the project moving on schedule.

Deliverables: *Conference call coordination, invitations, agendas, and minutes.*

Subtask 03 - Project Schedule. CONSULTANT will develop a master project schedule and will provide it to the CITY for its use. Schedule updates will be prepared bi-weekly, as needed, as the Project proceeds. CONSULTANT will provide technical support to the CITY in updating and tracking project progress.

Deliverables: *Master project schedule and bi-weekly updates, as needed.*

Subtask 04 - Project Cost Control/Progress Reporting: CONSULTANT will prepare monthly project status reports that compare work accomplished with scheduled activities, provide support documentation for invoices, compare expenditures with task budgets, and describe changes to the scope that have occurred. Documentation will include details of expenditures on each task and will show the hours worked by project personnel and other direct expenses related to the task. All reports will be submitted to the CITY with the monthly invoices.

Deliverables: *Monthly project status reports.*

Subtask 05 - Project Internal Coordination: CONSULTANT will conduct regular meetings with design teams to coordinate efforts, manage design budgets and schedules, and to maximize efficiencies.

Deliverables: *None.*

Estimated project management costs were based on the assumption that the CITY will provide prompt review of project submittals and coordination of CITY review comments on documents and invoices submitted for payment.

Task 10 – Project Meetings and Workshops

This task includes the anticipated project meetings and workshops required for the PROJECT. BGR will work closely with the CITY to schedule and conduct meetings efficiently and with as much advance notice to allow required meeting participants to attend.

Subtask 11 - Project Workshops for Hydraulic Modeling: CONSULTANT will meet with CITY staff up to three times to understand the input and output from the CITY'S hydrologic model as it relates to the necessary size and location of storage facilities intended to control the peak hydraulic capacity demands at the junction box located in Peoplestown. The objective is to agree with the results and recommendations developed with CITY staff. The schedule for these three workshops will be closely coordinated with the CITY.

Deliverables: *Workshop coordination, invitations, agendas, and minutes.*

Subtask 12 – Project Workshop for Task 30 Findings and Recommendations: CONSULTANT will present the results of the scenario development and sensitivity analyses completed in Task 30. CONSULTANT will make recommendations as to the type, size, and location of flood mitigation measures in the Lloyd and Connally basins with the goal of concurrence from CITY. Approved BMPs and storage facilities will be designed in Task 60.

Deliverables: *Workshop coordination, invitations, agendas, and minutes.*

Subtask 13 – Project Meetings: This subtask will fund CONSULTANT coordination, attendance, and participation in project meetings with CITY staff for all activities under this project. CONSULTANT will distribute agendas prior to each meeting and will prepare and distribute meeting summaries to the meeting participants within one week from the meeting date. Weekly meetings are anticipated for the duration of the project.

Deliverables: *Agendas and minutes.*



Task 20 – Data Collection and Site Investigations

Subtask 21 - Data Collection/Review: Upon request, the CITY will provide to the CONSULTANT copies of the following information for review:

- CITY will provide CONSULTANT the existing planning documents for the Custer Avenue collection system and GIS coverages for the Custer Avenue Basin in an ArcGIS Explorer format.
- Latest versions of CITY's design and construction standards including CAD standards.
- Available property and topographic surveys.
- Available geotechnical reports and recommendations.
- Any other available existing reports, studies, technical analyses, planning data, record drawings, design and construction standards, topographic and property surveys, and geotechnical data as may be deemed necessary.
- Sewer system modeling reports and maps to support the project design efforts.

Deliverables: None.

Subtask 22 - Site Visits: The CITY will arrange for the CONSULTANT to access the subject properties considered for the project as required. Services under this task will include data collection, as-built verification, and other data collection necessary for the design of the improvements as identified within this Scope of Services. CONSULTANT will also conduct a series of reconnaissance surveys to prescreen sites that might be candidate locations for green infrastructure installations. The field reconnaissance will be visual in nature. Locations that would be unsuitable or particularly challenging for green infrastructure installations will also be noted.

Deliverables: None.

Subtask 23 - Geotechnical Investigation: CONSULTANT will identify the geotechnical needs at each of the four paver zones (up to 10 borings per zone). CONSULTANT will coordinate with, and procure the services of a SUBCONSULTANT geotechnical engineering firm. The geotechnical investigation team will complete the required subsurface geotechnical investigation to complete the design activities. This effort will include the review of existing geotechnical information obtained previously by others at the site, as available from the CITY.

Deliverables: Copies of geotechnical investigation reports.

Subtask 24 - Site Survey: CONSULTANT will identify the survey needs at Zones 1, 3, and 4 (CITY will perform survey to support CITY staff design efforts in Zone 2). The survey team will complete the required surveying services to support the design activities.

Deliverables: Copies of site surveys in AutoCAD and hardcopy formats.

Subtask 25 - Subsurface Utility Engineering: CONSULTANT will identify needs for underground utility locating services and will coordinate with, and procure the services of a SUBCONSULTANT subsurface utility engineering contractor to complete the required subsurface utility engineering services to complete the design activities. This utility mapping will include developing base maps using existing record drawings and other existing information. Vacuum potholing and other locating methods will be used as needed to evaluate utility locations for existing underground utilities. These activities will be completed as needed.

Deliverables: None (data to be reflected in site survey deliverables).

Task 30 – Green Infrastructure Assessment

CONSULTANT will provide the services of a specialty urban stormwater management subconsultant, Endpoint Solutions, to evaluate CITY's hydrologic models of the Lloyd and Connally Basins and to identify the location and

Agreement Number: FC-4906C Architectural Engineering and Design Services
Task Order Number: 018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
Peoplestown, Mechanicsville, and Summerhill
Task Order Consultant: BGR Joint Venture

Page 6

type of green and gray infrastructure that will prove to be most beneficial in reducing the potential for flooding in the PROJECT study area. CONSULTANT will meet with CITY staff to review the history and the CITY's understanding of the of problem areas. The CITY will provide information associated with the capital improvements that have been and are currently planned to reduce flooding in the study area so that CONSULTANT can identify a balance of green and gray solutions.

Subtask 31 – Hydrologic/Hydraulic Analyses: The CITY will provide graphical and tabular results of a sensitivity analysis of a series of general scenarios established by CONSULTANT. CONSULTANT will utilize these results to screen, evaluate and prioritize the type and location of green infrastructure installations. The initial list of general scenarios includes:

- Existing conditions assuming ½-inch, 1- inch, 2 - inch and 3- inches of additional storage in each drainage catchment areas.
- Basins without interstate runoff.
- Basins without Turner Field and associated parking lots.
- Others developed by CONSULTANT.

CONSULTANT will analyze the information to identify locations and limits suitable for permeable pavers and areas where detention and storage is required beyond the capacity of permeable paver systems. Proposed solutions will be submitted to CITY modelers for results confirmation. The process can be repeated iteratively if model results differ from expected desirable improvements in the system.

Deliverables: *Model parameters associated with potential detention/storage facilities; CITY modelers to enter data and return results.*

Subtask 32 – Recommendations: CONSULTANT will prioritize detention/storage facilities that will provide sufficient peak shaving or adjustment to the timing of peak runoff rates that reduce system flooding to acceptable levels.

CONSULTANT will develop a series of green and gray infrastructure concept design templates to facilitate pricing and design of each installation. Recommendations will reference a template with the site - specific flow and storage characteristics.

Deliverables: *Results summarized in Subtask 33*

Subtask 33 – Technical Memorandum: Upon completion of the alternative screening analysis and the selection of the recommended alternative improvements, a draft Technical Memorandum will be prepared. The draft memorandum will be submitted to the CITY for review and comment. Based upon the comments received, a final Technical Memorandum will be prepared and submitted. The memorandum will include the following:

- Executive Summary
- Summary of Existing Previous Planning Documents
- Problem Identification
- Conceptual Alternative Evaluations
- Alternative Selection Process
- Alternative Iteration Summary
- Recommended Alternative(s)

Deliverables: *Ten hardcopy and one electronic copy in .pdf format of the draft Technical Memorandum, ten hardcopy and one electronic copy in .pdf format of the final Technical Memorandum.*

Task 40 - Permeable Paver Design

The use of permeable pavers represents an opportunity to intercept, detain, and slowly release stormwater that falls on roadways and adjacent sidewalks. CITY has elected to proceed with the design and installation of permeable paving in



Agreement Number: FC-4906C Architectural Engineering and Design Services
Task Order Number: 018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
Peoplestown, Mechanicsville, and Summerhill
Task Order Consultant: BGR Joint Venture

Page 7

a zoned approach with each zone containing streets and intersections that will contain permeable paving. The CONSULTANT proposes to execute work in each of the zones by first assessing the characteristics of the zone, making recommendations to CITY regarding identified locations, and finally preparing 50% design documents suitable for soliciting bids from design/build contractors. CONSULTANT will develop opinions of probable construction costs for each zone as part of Task 50 activities, provide permitting support services as part of Task 60 activities, and furnish construction support as part of Task 70 activities.

CONSULTANT will conduct an assessment of candidate locations for the installation of permeable pavers within each zone. All evaluations will be performed using existing databases provided by the CITY. Factors that will influence the suitability for either full-width pavement replacement or narrow drainage strips include vehicle travel speed, road slope, paver limitations, stormwater drainage requirements, underlying soil characteristics, and buried utilities. All recommendations for each location will be screened with CITY staff for approval.

CONSULTANT will prepare up to 50% design documents for the approved locations to meet the CITY's intent to issue those documents for bidding and construction. Any additional design required to seal and sign the documents for permitting or construction can be provided as an additional service.

Subtask 41 – Zone 1 50% Design: CONSULTANT will conduct an assessment of candidate locations and provide designs for the approved locations within Zone 1, with the specific roads and intersections to be defined at the workshop in Subtask 12.

Deliverables: 50% design documents suitable for bidding.

Subtask 42 – Zone 2 Design Coordination: CITY staff will conduct field reconnaissance in Zone 2 and perform detailed design calculations, drawing production, and construction documents. CONSULTANT will coordinate designs between Zones 1, 2, and 3 to apply uniform standards of design intent, drawing appearance, and construction requirements. Specific road and intersection recommendations will be made in the workshop in Subtask 12.

Deliverables: None.

Subtask 43 – Zone 3 50% Design: CONSULTANT will conduct an assessment of candidate locations and provide designs for the approved locations within Zone 3, with the specific roads and intersections to be defined at the workshop in Subtask 12.

Deliverables: Zone 3 candidate locations for permeable pavers, 50% design documents suitable for bidding.

Subtask 44 – Zone 4 50% Design: CONSULTANT will conduct an assessment of candidate locations and provide designs for the approved locations within Zone 4 depending on the CITY's budget at the conclusion of Zone 1, 2, and 3 activities. CITY will provide separate authorization for Subtask 44 activities.

Deliverables: 50% design documents suitable for bidding

Task 50 – Opinions of Probable Construction Costs

Preparation of all Opinions of Probable Construction Costs (OPCCs) will occur under Task 70. The accuracy standard for the OPCCs is defined by AACE International Recommended Practice No. 18R-97: *Cost Estimate Classification System – As Applied in Engineering, Procurement, and Construction for the Process Industries*. The five classifications of estimates increase in accuracy from Class 5 to Class 1 and are described as follows:

COST ESTIMATE CLASSIFICATION MATRIX FOR THE PROCESS INDUSTRIES

ESTIMATE CLASS	Primary Characteristic	Secondary Characteristic		
	MATURITY LEVEL OF PROJECT DEFINITION DELIVERABLES Expressed as % of complete definition	END USAGE Typical purpose of estimate	METHODOLOGY Typical estimating method	EXPECTED ACCURACY RANGE Typical variation in low and high ranges ^{b)}
Class 5	0% to 2%	Concept screening	Capacity factored, parametric models, judgment, or analogy	L: -20% to -50% H: +30% to +100%
Class 4	1% to 15%	Study or feasibility	Equipment factored or parametric models	L: -15% to -30% H: +20% to +50%
Class 3	10% to 40%	Budget authorization or control	Semi-detailed unit costs with assembly level line items	L: -10% to -20% H: +10% to +30%
Class 2	30% to 75%	Control or bid/tender	Detailed unit cost with forced detailed take-off	L: -5% to -15% H: +5% to +20%
Class 1	65% to 100%	Check estimate or bid/tender	Detailed unit cost with detailed take-off	L: -3% to -10% H: +3% to +15%

Notes: [a] The state of process technology, availability of applicable reference cost data, and many other risks affect the range markedly. The +/- value represents typical percentage variation of actual costs from the cost estimate after application of contingency (typically at a 50% level of confidence) for given scope.

Table 1 – Cost Estimate Classification Matrix for Process Industries

From AACE International Recommended Practice No. 18R-97: Cost Estimate Classification System – As Applied in Engineering, Procurement, and Construction for the Process Industries, November 29, 2011.

CONSULTANT will prepare individual OPCCs for each of the task projects that fall within this overall project. The table below details the subtask breakdowns, effort descriptions, and deliverables associated with each subtask:

Subtask	Project Name	Description	Deliverable
Subtask 51	Permeable Pavers Zone 1	Prepare OPCC at the conclusion of Subtask 41.	Class 2 OPCC
Subtask 52	Permeable Pavers Zone 2	Prepare OPCC at the conclusion of Subtask 42.	Class 2 OPCC
Subtask 53	Permeable Pavers Zone 3	Prepare OPCC at the conclusion of Subtask 43.	Class 2 OPCC
Subtask 54	Permeable Pavers Zone 4 (CITY will provide separate authorization for Subtask 54 activities.)	Prepare OPCC at the conclusion of Subtask 44.	Class 2 OPCC

Agreement Number: FC-4906C Architectural Engineering and Design Services
 Task Order Number: 018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
 Peoplestown, Mechanicsville, and Summerhill
 Task Order Consultant: BGR Joint Venture

Page 9

Task 60 – Permitting Services

CONSULTANT will prepare permit application documents and for the CITY to submit for required permits. CONSULTANT will coordinate design concepts with CITY Public Works and Arborists Departments during design to make sure concerns are addressed prior to submitting for permits.

Deliverables for each subtask: Completed permit applications, meetings with local authorities, revised drawings to address comments.

Subtask	Project Name	Description
Subtask 61	Permeable Pavers Zone 1	Permitting support for permeable pavers in roads, intersections, and sidewalks in Zone 1 as designed in Subtask 41.
Subtask 62	Permeable Pavers Zone 2	Permitting support for permeable pavers in roads, intersections, and sidewalks in Zone 2 as designed in Subtask 42.
Subtask 63	Permeable Pavers Zone 3	Permitting support for permeable pavers in roads, intersections, and sidewalks in Zone 3 as designed in Subtask 43.

Task 70 – Services During Bidding and Construction

CONSULTANT will assist CITY during the Bidding Phase of the work. CONSULTANT will attend pre-bid meetings, respond to bidder's questions in form of Requests for Information (RFIs), issue necessary addenda, and support the CITY at bid openings. Three bid phases are anticipated with this project.

CONSULTANT will provide full-time onsite Field Engineers during Construction Phase of the work to identify conditions that vary from the design documents, respond to contractor questions, review stored materials in to verify compliance with project specifications, develop solutions, and to communicate solutions to the CITY representative.

CONSULTANT will provide office engineering support to CITY during Construction Phase of the work. Activities include responding to contractor RFIs, issuing design sketches, evaluating change order requests and making recommendations, reviewing submittals, and preparing record drawings for CITY files.

Deliverables for each Field Engineering subtask: Construction photographs, daily reports documenting conditions, discussions, and resolutions, full construction files, record drawings.

Subtask	Project Name	Construction Support Type	Anticipated Number of On-Site Personnel
Subtask 71	Permeable Pavers Zone 1	Field Engineering	2 full-time Field Engineers working across projects in three zones for a period of 6 months.
Subtask 72	Permeable Pavers Zone 2	Field Engineering	
Subtask 73	Permeable Pavers Zone 3	Field Engineering	

Assumptions



Agreement Number: FC-4906C Architectural Engineering and Design Services
Task Order Number: 018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
Peoplestown, Mechanicsville, and Summerhill
Task Order Consultant: BGR Joint Venture

Page 10

The following assumptions were used to develop this Scope of Services and the estimated engineering services fee for the PROJECT. Should the work of the Project exceed these assumptions, the CONSULTANT may request additional fee. Assumptions include:

- With the exception of the final review, the Project team will continue the design effort during formal reviews of deliverables.
- The design will be based on the federal, state, and local codes and standards in effect at the start of the Project.
- CONSULTANT will prepare custom specifications for this project.
- CITY will provide rights of entry access for all potential project sites requiring survey, geotechnical, and SUE services.

Agreement Number: FC-4906C Architectural Engineering and Design Services
 Task Order Number: 018 – Southeast Atlanta Green Infrastructure Initiative, Phase 1
 Peoplestown, Mechanicsville, and Summerhill
 Task Order Consultant: BGR Joint Venture

Page 11

Exhibit B

Estimated Labor Hours and Associated Fee

The following estimate of labor and fee are responsive to Exhibit A - Scope of Services.

Estimated Labor Hours

Labor Category	Home Office Rate	Estimated Home Office Hours per Category	Field Office Rate	Estimated Field Office Hours per Category	Total Estimated Fee per Category
Project Manager 4 (Project Director)	\$199	124	\$168	0	\$24,676.00
Project Manager 3 (Project Manager)	\$180	524	\$157	0	\$94,320.00
Project Manager 3 (Services Coordinator)	\$180	62	\$157	0	\$11,160.00
Engineer 8 (Hydrologist)	\$185	240	\$158	0	\$44,400.00
CAD Manager	\$124	64	\$106	0	\$7,936.00
Engineer 8 (Zone 1 Engineer)	\$185	538	\$158	0	\$99,530.00
Engineer 4 (Zone 1 Engineer)	\$105	516	\$90	0	\$54,180.00
Engineer 8 (Zone 3 Engineer)	\$185	538	\$158	0	\$99,530.00
Engineer 4 (Zone 3 Engineer)	\$105	516	\$90	0	\$54,180.00
Engineer 7 (Model/QC)	\$163	588	\$140	0	\$95,844.00
Landscape Architect, Principal (Model/QC)	\$160	472	\$140	0	\$75,520.00
Engineer 4 (Model/QC)	\$105	56	\$90	0	\$5,880.00
Field Engineer (Zone 1, 2)	\$102	0	\$86	1,056	\$90,816.00
Field Engineer (Zone 2, 3)	\$102	0	\$86	1,056	\$90,816.00
Administrative Assistant	\$60	124	\$50	0	\$7,440.00
Labor Totals		4362		2,112	\$856,228.00

Estimated Fee

Labor	\$856,228.00
Subconsultants	
• C.E.R.M. (Surveying and SUE)	\$120,000.00
• MC Squared, Inc. (Geotechnical)	
Other Expenses	\$21,500.00
Total Fee	\$997,728.00

Project Name	018
Task Order No	
Client	City of Atlanta
Project Fee	\$997,728

Southeast Atlanta Green Infrastructure Initiative, Phase 1: Popplestown Neighborhood, and Supplemental

[illegible]

Date: 2/5/2018
 Project Name: Custer Ave. CSO Capacity Relief
 Project Number: 17111415

5066

PIAEO	Project	Task	Award	Expenditure	COA	Estimated Budget
	17111415	102	506621876	5414002		
	Custer Ave. CSO Capacity Relief		2009A Water & Wastewater Bond Fund	FACILITIES OTHER THAN BLDGS		6,000,000.00

EDOA	Fund	Commitment	Account	Commitment	Project	Expenditure	Estimated Budget
	5066	170215	5414002	4333000	111415	21876	
	2009A Water & Wastewater Bond Fund	DWM Wastewater Sewer Repair	FACILITIES OTHER THAN BLDGS	New Sewer Services	Custer Ave. CSO Capacity Relief	2009A Water & Wastewater Bond Fund	6,000,000.00